

# SLC ARES SPRING SIMPLEX EXERCISE

10AM – Saturday, April 30, 2022

**EXERCISE WILL OPEN AND CLOSE VIA W4SLC REPEATER**

## Background

The SLC ARES Spring Simplex Exercise is intended to demonstrate VHF/UHF analog communication between SLC EOC and designated schools, special needs centers and hospitals. While it is beneficial to conduct the simplex exercise using antennas and coax installed at shelters, schools, and hospitals; logistics and access prevent operating in this fashion for this exercise. Therefore, SLC ARES communicators will operate from parking lots, walkways, cars or areas adjacent to the designated sites.

Signal Reports of simplex exercise sites will be recorded using the provided form for after exercise evaluation and analysis. SLC ARES communicators will record their radio type, power output and antenna. A standardized signal reporting system will be used for the spring simplex exercise. ARES members who are not deployed as part of the simplex exercise are asked to provide observed signal reports via the recording form to the SLC Emergency Coordinator, Paul W4ISZ.

## Standardized simplex signal reporting

- 0 - Cannot hear
- 1 - Can hear something
- 2 - Can partially understand
- 3 - Very understandable

## Radio types and antennas

For the spring simplex exercise, ARES communicators are requested to use mobile radios. Mobile radios should be capable of 25 watts output and preferably paired with permanently fixed and magnetic mounted vehicle 5/8 wavelength antennas. At the discretion of the SLC ARES EC, five watt handheld radios can be allowed if used with a 5/8 wavelength collinear or similar gain antenna.

## Shelter, school, hospital access and operating

Operating from designated schools, Havert L. Fenn and PSL Community Special Needs Centers and hospital locations is an important validation of ARES communicator repeater and simplex operating. During an actual deployment, SLC ARES communicators will operate from designated site operating positions, rooms using installed antennas. None-the-less the simplex exercise will provide valuable information to SLC ARES for emergency deployment.

## Operating Frequencies

Repeater: SLC-W4SLC	147.240	Tone 107.2
Simplex: 2 Meter	147.420	No Tone
Simplex: 70cm	446.750	No Tone

